AMENDMENTS THE CLAIMS:

Please amend Claims 1 to 4 as set forth below. The listing of claims provided below replaces all previous versions and listings of claims in the application.

1. (Currently Amended) A precision dendrometer, of the type based on the use of extension measurement bands as resistances for a Wheatstone Bridge type circuit, said dendrometer comprising ~~consisting of~~:

a sensor holder that serves as a part for securing the dendrometer to a plant; and

an electronic interface connecting the sensor holder to [[a]] data collector equipment and a sensor;

wherein said sensor comprises a cylindrical body ~~(13)~~ of aluminium, the cylindrical body ~~(13)~~ of aluminum coupled to a first end of an aluminium sheet ~~(10)~~ on which the extension measurement bands are mounted; a second end of the aluminium sheet ~~(10)~~ narrowing to an end for contacting the plant ~~(18)~~, and wherein said sensor is configured to determine a dimensional variation of the plant according to a pressure exerted by the plant.

2. (Currently Amended) The precision dendrometer of claim 1, wherein the second end of the aluminium sheet ~~(10)~~ has a double bend with convergent side edges, forming a substantially angular and rounded end ~~(11)~~.

3. (Currently Amended) The precision dendrometer of claim 1, wherein the sensor holder ~~(15)~~ comprises:

a cylindrical cavity configured to hold the cylindrical body ~~(13)~~ of aluminum; and

a plurality of rods ~~(16)~~ acting as feet, and at least one of the plurality of rods is coupled to a part ~~(17)~~ for adjusting and securing the precision dendrometer to the plant.

4. (Currently Amended) The precision dendrometer of claim 3, wherein the plurality of rods ~~(16)~~ are fabricated from material that has a zero coefficient of expansion, to allow the constant variation microns of the plant ~~(18)~~ to be measured.